LemonTree
Fresh Model Versioning

The Nr. 1 model versioning tool for distributed teams

Product Line Engineering
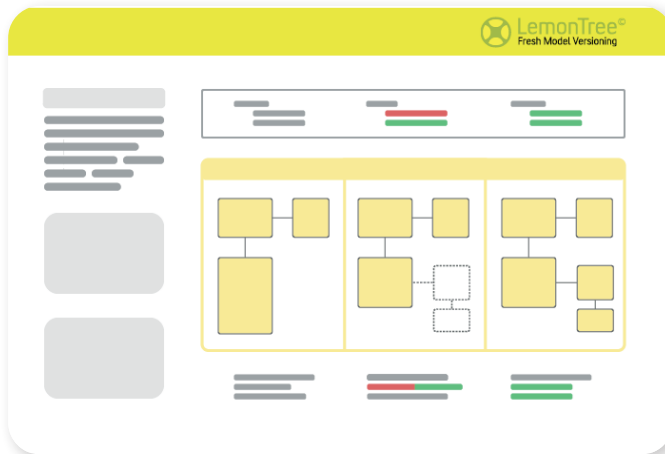
Supply Chain Management

Team-Based Collaboration

by LieberLieber Software

The best teams have full control over their model versions

LemonTree was developed to use versioning systems like Git for models as well. Split your models as you wish and benefit from precise version control of the individual model parts.

Compare (Diff) versions

Analyse model changes precisely and easily
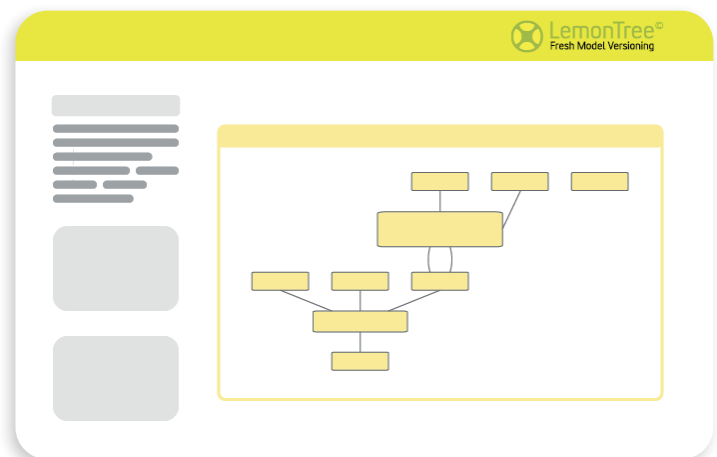
Merge of model parts

Combine different model versions in a controlled manner

Breakdown into individual components

Divide the models into individual components, which remain linked
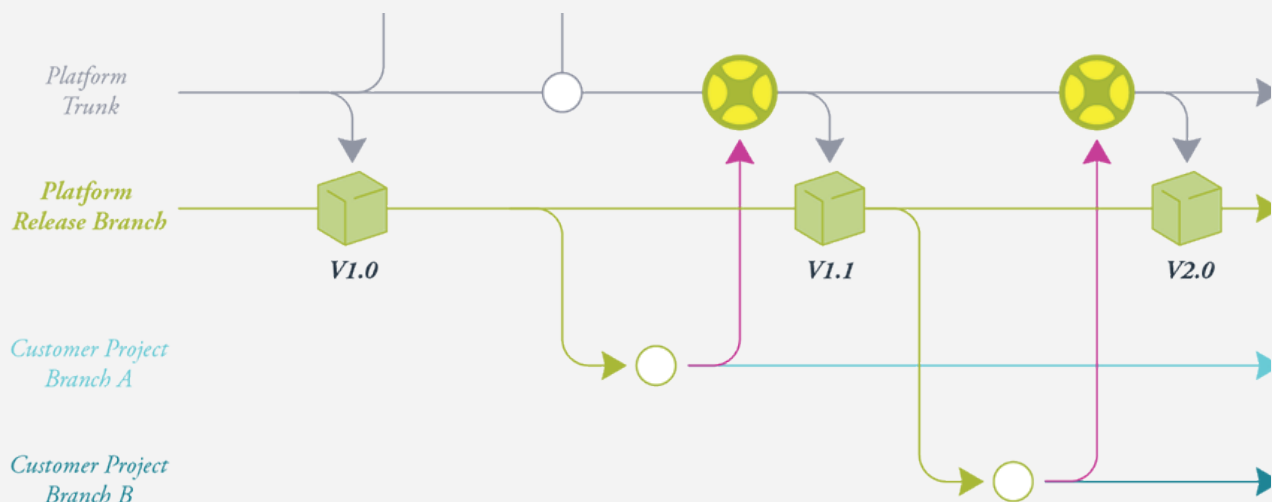
Lifecycle for model parts

Individual model components are given their own lifecycle

Get you and your team agile

Develop your product lines with distributed teams and involve your suppliers right away. LemonTree allows you flexibility for the entire life cycle.

Platform Trunk

Platform Release Branch

V1.0   V1.1   V2.0

Customer Project Branch A

Customer Project Branch B

Integration with the tools you already use

Enhance your workflow and integrate LemonTree seamlessly into systems such as Git, SVN, Bitbucket, GitLab etc. Profit from this integration for your Enterprise Architect models.

Versioning systems
Benefit from the countless features of your preferred versioning system for your models.

Lifecycle Tools
Extend your modelling workflows with lifecycle tools like Bitbucket, Gitlab and many others.

Continuous Integration
Use our LemonTree Automation Editon for servers like Jenkins to also integrate the modelling automatically.

Developed for safety requirements like ISO 26262

Safety requirements demand good configuration management for models as well.

Review of models

LemonTree makes it easy to review and release all changes. The changes made are marked accordingly to make them traceable at any time. Users can thus ensure that they meet all requirements even during critical audits.

Controlled changes to the model

LemonTree already shows in a preview how the merged versions will look like. This helps you to recognize the effects of the merging at an early stage and thus to make only really desired changes.

Certification Kit for ISO 26262

The LieberLieber ISO 26262 Certification Kit makes certification much easier for companies. For the tool environment and the restrictions, use cases and error scenarios considered in this document, LemonTree achieves a "tool confidence level" TCL of 1 and can be used up to ASIL D without further tool qualification steps.

"The NAFv4 profile we developed for Enterprise Architect is available free of charge to all interested parties to promote the dissemination and compatibility of UAF-based NAFv4 architectures"

"We are constantly working on the further development of our architectural tool landscape. To evaluate LemonTree, we have purchased a number of licences and have found that this tool provides us with significant added value."

Bundeswehr

Christian Freihoff
System Architect, GERMAN BUNDESWEHR

"With LemonTree from LieberLieber our team has succeeded in taking the collaborative editing and management of our software models to a new level. Packages can now be edited in parallel, instead of only sequentially as before. Thanks to 3-way-merge we can merge changes or different development branches at any time in a traceable and controlled way. Packages from one software platform can be distributed more efficiently into different projects and versioned in Git with the same life cycle, parallel to the source code. In this way, consistency and traceability are always guaranteed. In addition, LemonTree supports us in the review process: Changes - whether our own or those of colleagues - and their effects are checked clearly and quickly before merging. In this way, conflicts can be identified early on and robustness is increased."

Stephan Reuter
Software Development Processes Speaker, STIHL

STIHL®

"Up to now, we have tried to meet the constantly growing requirements by reorganising and adapting. But with the active support of LieberLieber, we have succeeded in making model-based systems engineering the backbone of our development organisation. For us, MBSE is also the basis for solving the challenges around processes and SPICE, it also enables the solution-oriented cooperation of all persons involved in the development."

Hermann Gollwitzer
System Architect, VOLKSWAGEN

"Thanks to LemonTree, we can now also use the proven processes and workflows from classic software engineering for models. The tool also meets all our requirements in change and configuration management. Therefore, we are now very happy to use the tool and want to further evaluate it with regard to new topics such as BitBucket or Package Management."

Srinivas Shenoy
Firmware Engineer, INFINEON

Infineon

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